BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO DRAINS AT SUGGAPPA LAYOUT AND SURROUNDING AREA IN WARD NO.02 OF YELAHANKA SUB DIVISION

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Estimate Cost Rs. 25.03 Lakhs Rate	Amount
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No 2.3)KPWD S.R 2016-17								
	Suggappa Layout	Cum							
	for Drain		2	84.00	0.90	0.90	136.08		
			1	99.00	1.20	1.00	118.80		
	for Culvert		1	10.00	1.50	1.35	20.25		
						Total Qty	275.13	222.38	61182.69
	Basic Rate	189.00							
	AD-HOC 11%	20.79							
	Sub-Total	209.79							
	Area Weightage @ 6%	12.59							
	Total	**222.38**							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
	Average Weight of Earth 1.28 Tonne/Km			Qty Vide Item No.1			275.13	111.00	30539.43
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Sub-Total	100.00							
	AD-HOC 11%	11.00							
	Total	**111.00**							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
		Cum							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	for Drain		2	84.00	0.90	0.15	22.68		
			1	99.00	1.20	0.15	17.82		
	Culvert		1	10.00	1.50	0.15	2.25		
					Total Qty		42.75	5726.51	244808.40
	Basic Rate	4867.00							
	AD-HOC 11%	535.37							
	Sub-Total	5402.37							
	Area Weightage @ 6%	324.14							
	Total	5726.51							
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC cement at 300kgs. with 20mm and down size granite metal coarse aggregates at 0.69cum and fine aggregates at 0.43cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No.1500, 1700, 2200 -do- Wall and bottom thickness 15cm (P.No.265 / It.No.37.59.2)								
	for Drain	Cum							
	bed		2	84.00	0.90	0.15	22.68		
			1	99.00	1.20	0.15	17.82		
	for Culvert		1	10.00	1.50	0.15	2.25		
	side wall		4	84.00	0.15	0.60	30.24		
			2	99.00	0.15	0.60	17.82		
			2	10.00	0.15	0.60	1.80		
					Total Qty		92.61	12246.05	1134106.95
	Basic Rate	10408.00							
	AD-HOC 11%	1144.88							
	Sub-Total	11552.88							
	Area Weightage @ 6%	693.17							
	Total	12246.05							
5	KSRB 4.9.2 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications Specification No. KBS 4.6.3-do-TMT Bars Fe 500 P.17/It.No.4.46.2 (rates effects from 01-07-2017)								
		tonne							
		60% of Qty Vide item No.4				in Qtl	55.566		
						In tonne	5.557	71310.20	396242.24
	Basic Rate	60607.00							
	AD-HOC 11%	6666.77							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Sub-Total	67273.77							
	Area Weightage @ 6%	4036.43							
	Total	**71310.20**							
6	Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
	covering slab	Sqm							
	for Drain		2	84.00	0.90		151.20		
			1	99.00	1.20		118.80		
					Total Qty		**270.00**	2100.00	**567000.00**
	Data Rate	**2100.00**							
7	Providing and fixing **RCC precast Slabs of 0.20 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
	covering slab	Sqm							
	for Culvert		1	10.00	1.50		15.00		
					Total Qty		**15.00**	4402.79	**66041.85**
	Data Rate	**4402.79**							
8	Miscellaneous and unforeseen charges	LS							~~6~~105.00
							Grand Total Amount		~~2503027.00~~
	(Rupees Twenty Five Lakhs Only)								25,00,000/-

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
5) This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.02

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Executive Engineer
Yelahanka Division
B.B.M.P

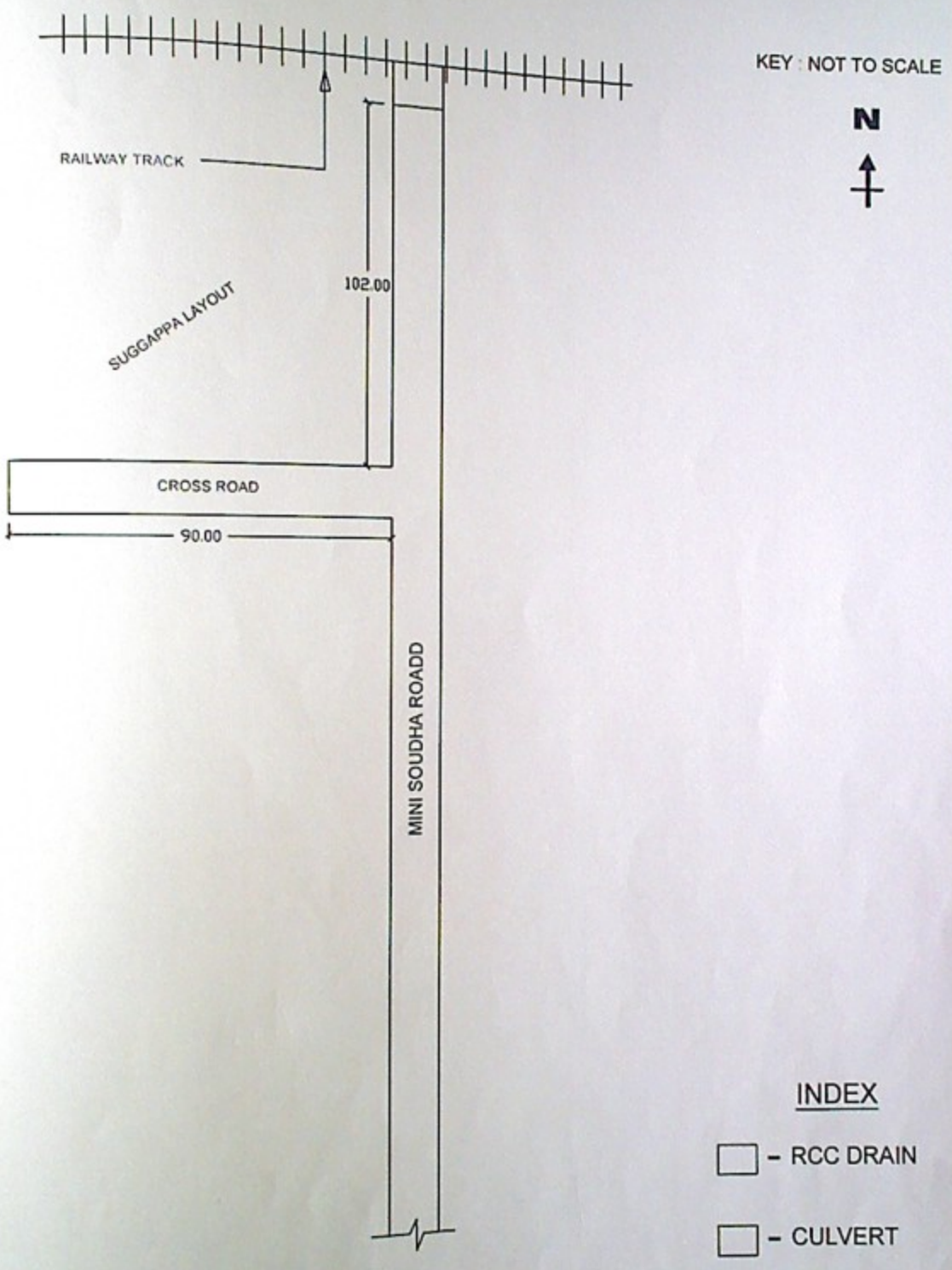
Administrative Approval
Accorded For ..... 25.00 lakh Rs.
Head of A/C..... P1771
CER NO :..... 241 ... Dt:.. 08.02.18

TA ... CE (YNK)

Technical Sanction
Accorded For ..... 25.00 lakh Rs.
Head of A/C..... P1771
CER NO :..... 661. Dt:..16.02.18

TA ... CE (YNK)

E OF WORK: IMPROVEMENTS TO DRAINS AT SUGGAPPA LAYOUT AND SURROUNDING AREA IN WARD NO.02 OF YELAHANKA SUB DIVISION



Assistant Engineer
Ward No.02
B.B.M.P

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